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## CLAIMS

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- 1. A methyl ethyl hydroxyethyl cellulose ether, characterized in that the cellulose ether has a flocculation temperature of 70-95°C, a DS-methyl of 0.1-0.8 and a DS-ethyl of 0.1-0.7.
- 2. A cellulose ether according to claim 1, characterized in that it has a MS-hydroxyethyl of 1.5-2.8.
- 3. A cellulose ether according to claim 1, characterized in that it has a DS-methyl of 0.2-0.6, a DS-ethyl of 0.2-0.6 and a MS-hydroxyethyl of 1.7-2.5.
  - 4. A cellulose ether according to claim 3, characterized in that it has a flocculation temperature of 78-85°C.
  - 5. A cellulose ether according to any one of claims 1-4, characterized in that it also contains substituents selected from the group consisting of hydroxypropyl and substituents containing hydrocarbon groups of 4-22 carbon atoms.
- 6. A process for manufacturing the methyl ethyl hydroxyethyl cellulose ether according to any one of claims 1-5,

  20 characterized in that cellulose is mercerized in one or
  several steps with aqueous alkali in a total amount of 0.81.8 moles of alkali per mole saccharide unit; and ethylene
  oxide in a total amount of 2.6-5.5 moles per mole saccharide
  unit, methyl chloride in a total amount of 0.2-1.5 moles per

  25 mole saccharide unit and ethyl chloride in a total amount of
  0.2-1.5 moles per mole saccharide unit are added to and
  reacted with the mercerized cellulose in one or several steps
- 7. A process according to claim 6, characterized in that the reaction medium is ethyl chloride.

in the presence of an organic reaction medium at a

temperature from 50-120°C.

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- A process according to claim 6 or 7, characterized in that the cellulose is initially mercerized with a portion of the total amount of alkali; a portion of the total amount of ethylene oxide, a portion of or the total amount of methyl chloride and a portion of or the total amount of ethyl 5 chloride, if ethyl chloride is not present as a reaction medium, are added to and reacted with the initially mercerized cellulose in one or several steps at a temperature from 50-120°C, whereupon the partially substituted mercerized cellulose is further mercerized with the remaining portion of 10 the alkali; and the remaining portion of the ethylene oxide and any remaining portion of methyl chloride and any remaining portion of ethyl chloride, if ethyl chloride is not present as a reaction medium, are added to and reacted with the further mercerized cellulose in one or several steps at a 15 temperature from 50-120°C.
  - 9. An aqueous formulation containing 0.1-2.5% by weight of the cellulose ether defined in any one of the claims 1-5.
  - 10. An aqueous formulation according to claim 9,
- characterized in that the formulation is a waterborne paint composition containing a latex binder.
  - 11. Use of a methyl ethyl hydroxyethyl cellulose defined in claims 1-5 as a thickener or rheology modifier in a water-phase.